

ABSTRACT OF THE DISCLOSURE

This invention is to improve the reproducibility and yield in separating a bonded substrate stack. A bonded substrate stack having a porous layer inside is 5 held by substrate holding portions 105 and 106, and a fluid is injected from a nozzle to the porous layer of the bonded substrate stack, thereby separating the bonded substrate stack at the porous layer. The variation in pressure of the fluid is suppressed within 10 a predetermined range by a servo-driven pump.